

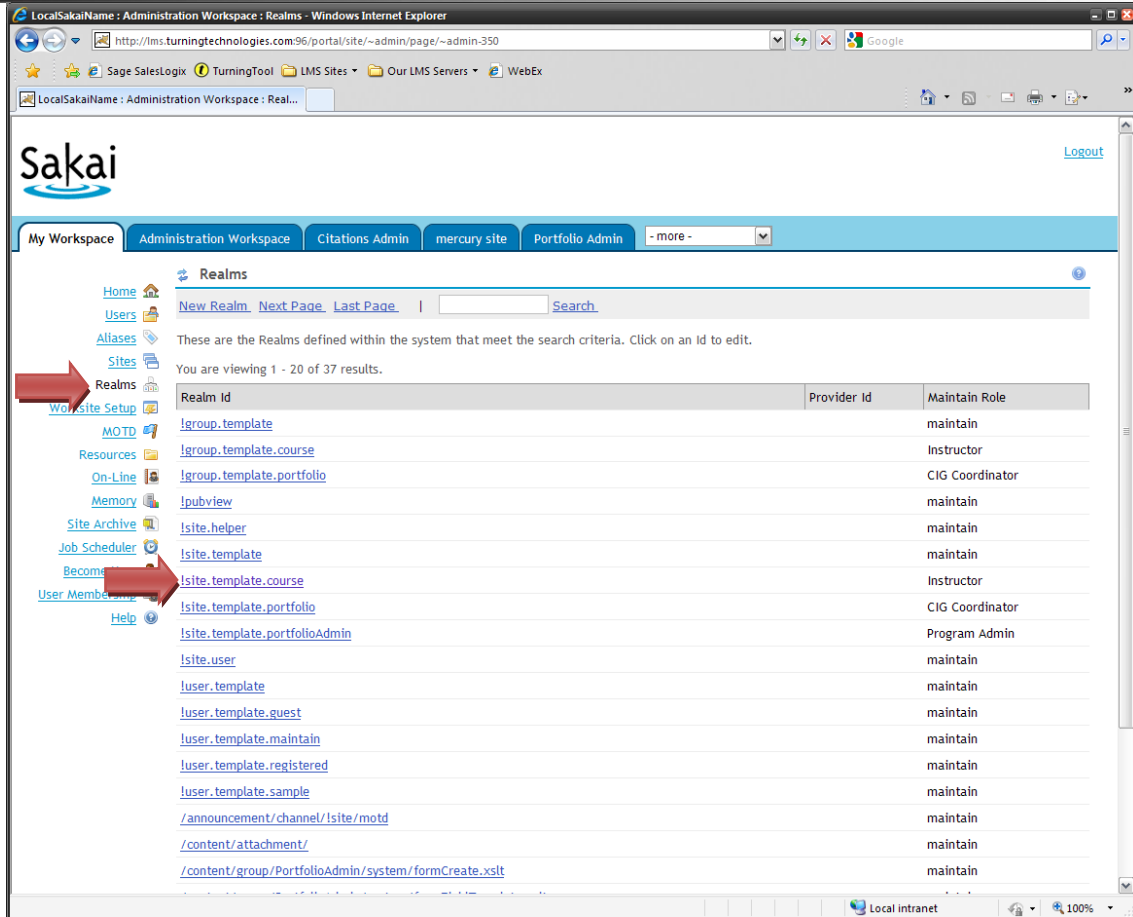
Installation for Sakai:

1. Deploy the .zip file in the Sakai root directory (under webapps, shared, etc. directories).
2. (Optional) To add the TurningTechnologies Tool icon in the left tool menu in worksites, a small one-time configuration to the Sakai installation is required. Identify the skin being used; the following instructions assume the default, but if there is a custom skin, you must ensure that the following modifications are made to the skin's portal.css file.



- a. Open `$CATALINA_HOME/webapps/library/skin/default/portal.css` [note if there is a skin being used other than the default, switch "default" in that directory with the skin]
 - b. Add the following line:

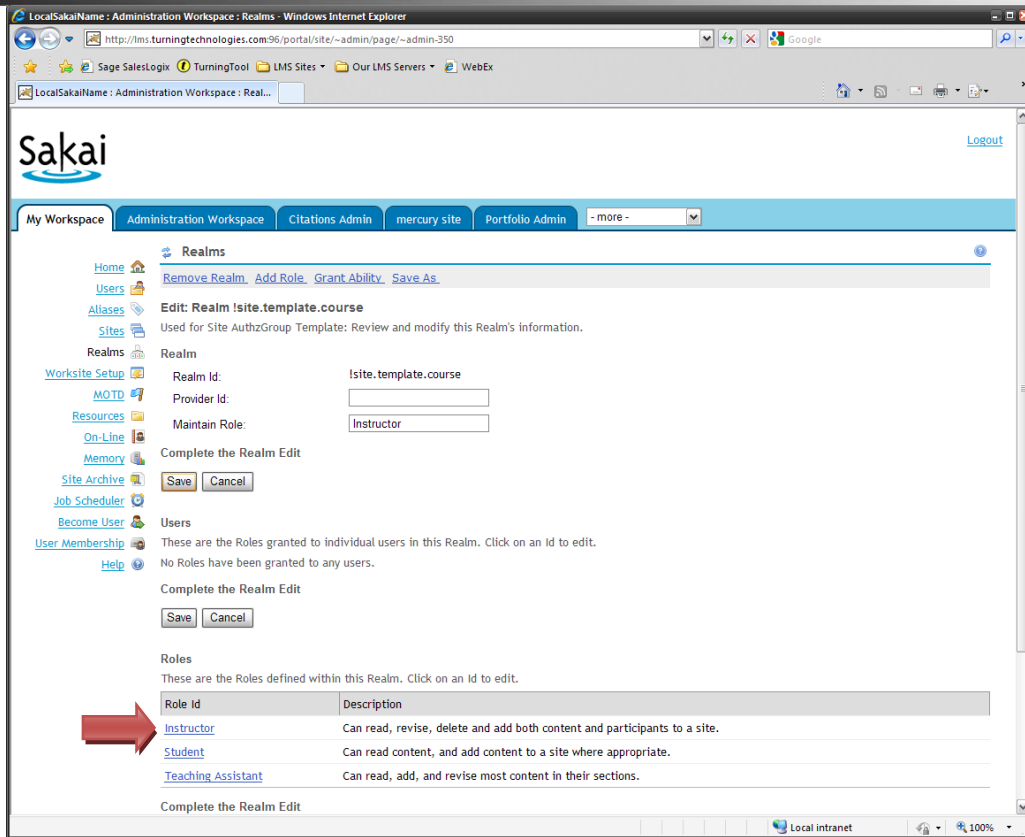
```
.icon-sakai-turningtool {background-image: url(/turningtool-tool/img/ttech_icon.ico);}
```
 - c. Save changes and close
3. Restart the Sakai Server.
 4. Log on as Admin.
 5. Select *Realms* in the Administration Workspace.
 6. Select `!site.template.course`



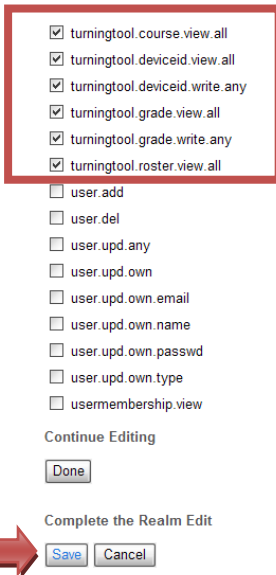
The screenshot shows the Sakai Administration Workspace: Realms page in a Windows Internet Explorer browser. The page title is "LocalSakaiName : Administration Workspace : Realms - Windows Internet Explorer". The address bar shows the URL "http://lms.turningtechnologies.com:96/portal/site/~admin/page/~admin-350". The page features the Sakai logo and a navigation menu with tabs for "My Workspace", "Administration Workspace", "Citations Admin", "mercury site", and "Portfolio Admin". A "Logout" link is visible in the top right corner. The main content area is titled "Realms" and includes a search bar with "New Realm", "Next Page", "Last Page", and a search input field. Below the search bar, there is a message: "These are the Realms defined within the system that meet the search criteria. Click on an Id to edit." and "You are viewing 1 - 20 of 37 results." A table lists the realms with columns for "Realm Id", "Provider Id", and "Maintain Role". A red arrow points to the "Sites" menu item on the left, and another red arrow points to the "Isite_template.course" entry in the table.

Realm Id	Provider Id	Maintain Role
!group.template		maintain
!group.template.course		Instructor
!group.template.portfolio		CIG Coordinator
!pubview		maintain
!site.helper		maintain
!site.template		maintain
!site.template.course		Instructor
!site.template.portfolio		CIG Coordinator
!site.template.portfolioAdmin		Program Admin
!site.user		maintain
!user.template		maintain
!user.template.guest		maintain
!user.template.maintain		maintain
!user.template.registered		maintain
!user.template.sample		maintain
/announcement/channel/!site/motd		maintain
/content/attachment/		maintain
/content/group/PortfolioAdmin/system/formCreate.xslt		maintain

7. Select the Instructor Role ID.



8. Check all Turning Tool Functions and click Save under Complete the Realm Edit.



9. Installation is complete.